

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Appl. Ref.: EPI-067191
Nyce et al. : Atty Ref.: 73999/01905
Appl. No: not yet assigned : Priority: US 60/127,958
Filing Date: herewith :

jc584 U.S. PTO
09/543679

For: **LOW ADENOSINE ANTI-SENSE OLIGONUCLEOTIDE, COMPOSITIONS,
KIT & METHOD FOR TREATMENT OF AIRWAY DISORDERS
ASSOCIATED WITH BRONCHOCONTRICITION, LUNCH
INFLAMMATION, ALLERGY(IES) & SURFACTANT DEPLETION**

INFORMATION DISCLOSURE STATEMENT

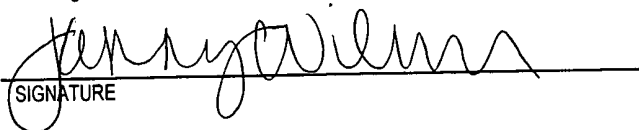
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir\Madam:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is Form PTO-1449 listing the references that are known to applicant. Copies of the cited references are of record in the parent and grandparent cases, of which filing date priority is claimed in this application.

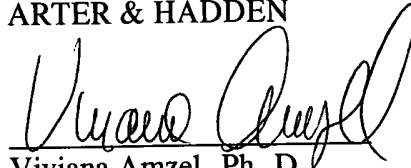
It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patenting issuing for this application. Applicant also requests that an initialed copy of FORM PTO-1449 be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP §§ 609.

I hereby certify that this correspondence is being deposited with the United States Postal Service in an Express Mail Envelope having Express Mail No. **EJ206757301US** addressed to the Assistant Commissioner for Patents, Washington D C 20231 on March 17, 2000, by Jenny Wilson.


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The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 01-2520. Please show our reference number with any charge or credit to our Deposit Account.

Respectfully submitted.
ARTER & HADDEN



Viviana Amzel, Ph. D.

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Attorney for Applicant(s)

Dated: April 4, 2000

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Substitute for form 1449A/PTO

(use as many sheets as necessary)

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Complete if Known

Application Number	Not yet assigned
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Filing Date	herewith
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First Named Inventor	Jonathan W. Nyce
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Group Art Unit	not yet assigned
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Examiner Name	not yet assigned
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Attorney Docket Number | EPI-067191

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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First Named Inventor	Jonathan W. Nyce
Group Art Unit	not yet assigned
Examiner Name	not yet assigned
Attorney Docket Number	EPI-067191

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Stull, R.A. et al., "Predicting antisense oligonucleotide inhibitory efficacy: a computational approach using histograms and thermodynamic indices", Nucleic Acids Research, 20(13): 3501-3508 (1992).	
		Monia, B.P. et al., "Selective Inhibition of Mutant Ha-ras mRNA Expression by Antisense Oligonucleotides", J. Biol. Chem., Vol. 267 No. 28, Issue of October 5, 1992-1996 (1992).	
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		Akhtar, S. et al., "In vivo studies with antisense oligonucleotides", Trends in Pharmacological Sciences, Current Techniques, 18:12-18, (1997).	
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DISCLOSURE BY APPLICANT

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First Named Inventor	Jonathan W. Nvce
Group Art Unit	not yet assigned
Examiner Name	not yet assigned
Attorney Docket Number	EPI-067191

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

T²

Simpson, R. U. et al, "Antisense oligonucleotide targeting against protein kinase C beta and C beta II block 1,25 -(OH)- 2D3- induced differentiation", J. Biol. Chem. 273(31):19587-19591 (1998).

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		Group Art Unit	not yet assigned
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		J. MILLIGAN et al.; <i>Current Concepts in Antisense Drug Design</i> . <u>J. Med. Chem.</u> 36(14): 1923-1937 (1993).	
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		S. ALI et al.; <i>Adenosine-Induced Bronchoconstriction and Contraction of Airway Smooth Muscle from Allergic Rabbits with Late-Phase Airway Obstruction: Evidence for an Inducible Adenosine A₁ Receptor</i> . <u>J. Pharmacol. Exp. Therapeu.</u> 268:1328-1334 (1994).	
		S. ALI et al.; <i>Adenosine receptor-mediated bronchoconstriction and bronchial hyperresponsiveness in allergic rabbit model</i> . <u>Am. J. Physiol.</u> 266:L271-277 (1994).	
		D.R. SIBLEY, et al; <i>Transfected Mammalian Cell Lines Expressing the A1 Adenosine Receptor</i> NTIS Field/Group Codes: 57F, 57B, 57Q 90D (5 June 1991).	
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		Kobayashi S. et al, "Transcription factor NF-E2 is essential for the polyploidization of Meg-J", <u>Biochem. Biophys. Res. Commun.</u> 247(1): 65-69 (1998).	

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